



10.08.2016

## TARDIGRADE ECSL 220

Two Component, Solvent Free, Epoxy Based Self-Leveling Floor Coating

### Product Information:

#### **Appearance / Color**

Resin – part A : grey, liquid  
Hardener – part B : light yellow, liquid

### Technical Information

**Chemical Structure :** Epoxy

#### **Density (ASTM D792 / ISO 1183 / DIN 53479)**

Resin – part A : 1.620 kg/l  
Hardener – part B : 1.020 kg/l  
Mixed resin A + B : 1.530 kg/l

#### **Viscosity (ASTM D2555 / ISO 2555 / DIN EN ISO 2555)**

Resin – part A : 6500 mPa·s  
Hardener – part B : 440 mPa·s  
Mixed resin A + B : 2000 mPa·s

#### **Water Absorption (ASTM D570-98 / ISO 62 / DIN 53495)**

0.002

#### **Potlife**

67 minutes (23 °C).





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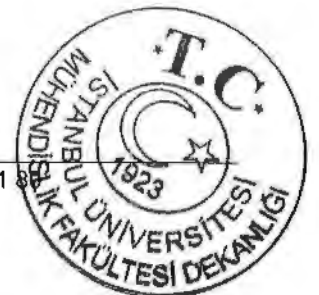
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### Mechanical / Physical Properties

TEST	METHOD			VALUE		
				Average	Maximum	Minimum
Compressive strength	ASTM D695	ISO 604	DIN 53454	55 MPa	61 MPa	53 MPa
Flexural strength	ASTM D790	ISO 178	DIN 53452	32.79 MPa	35.27 MPa	29.95 MPa
Maximum force	ASTM D638	ISO 527	DIN 53457	521 N	537 N	513 N
% elongation at break	ASTM D638	ISO 527	DIN 53457	9.83%	11.29%	8.35%
Bond strength	ASTM D7234	ISO 16276	DIN 16276	10.55 MPa	13.29 MPa	9.32 MPa
Shore D hardness	ASTM D2240	ISO 868	DIN 53505	72	81	69

Test results for Tardigrade ECSL 220 Two Component, Solvent Free, Epoxy Based Self-Leveling Floor Coating.





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### Chemical Resistance

Chemicals	Values
HYDROCHLORIC ACID 25%	2
HYDROCHLORIC ACID 10%	3
NITRIC ACID 25%	2
NITRIC ACID 10%	3
FORMIC ACID 25%	2
FORMIC ACID 10%	3
ACETIC ACID 25%	3
ACETIC ACID 10%	3
SULPHURIC ACID 25%	3
SULPHURIC ACID 10%	3
LACTIC ACID 25%	3
LACTIC ACID 10%	3
ETHYL ALCOHOL	3
AMMONIA	3
PERCHLOROETHYLENE	3
DIESEL FUEL	3
ACETONE	3
FUEL THINNER	3
HYDRAULIC OIL	3
THINNER	3

Excellent 3 Good 2  
Low 1 Not resistant 0

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